

Presentation to the Joint Legislative Task Force on Water Resource Mitigation

Washington Water Utility Council Member
Presentations on Water Reuse

December 8, 2021

Bob Hunter, General Manager, Kitsap PUD
and Task Force Member Representing
Municipal Water Purveyors

Agenda and Presentations

- Introduction & Overview— Bob Hunter
- Kitsap PUD (video)“Port Gamble Reclamation Water Facility” (3:40 minutes)
- Presentation – Silverdale Water District “Reclaimed Water” in Partnership with Kitsap County and Kitsap PUD.
- Presentation – City of Airway Heights “Reclaimed Water” Ensuring Water Supply for the Future.
- Recap and Summary – Bob Hunter

Biographical Information

- Bob Hunter- General Manager, Kitsap PUD

Bob joined Kitsap PUD in 1986 following 4 years of active duty in the United States Navy. Bob's career at Kitsap began as a Field Technician in the Water Operations. He was promoted to several leadership positions through the years and has spent the last seven as the General Manager. After 36 years, Bob plans to retire from Kitsap PUD in February 2022.

Biographical Information

- Morgan Johnson – General Manager, Silverdale Water District

Morgan has been involved in public water supply for forty-two years including thirty-two years as the General Manager of Silverdale Water District. He is certified as a Water Distribution Manager, Water Treatment Plant Operator, and Cross Connection Specialist.

Biographical Information

- Kevin Anderson – Public Works Director, City of Airway Heights

Kevin Anderson has been the Public Works Director for the City of Airway Heights since 2015. His career includes more than three decades as a civil engineering consultant with considerable experience in managing water supply, pumping, storage and treatment projects and developing utility system comprehensive plans. Mr. Anderson holds a Certified Public Manager credential and is a registered Professional Engineer in the State of Washington.

Sewer and Water Utilities Share Common Goals

- Utilities are Stewards of Water Resources
 - Want to better manage the water resources in the area they serve.
 - Make a positive impact to the environment while achieving the needs of their community.
- Utilities are Stewards of Public Funds
 - Deliver essential services at affordable rates.
 - Aim for cost-effective positive outcomes.

Key Guidelines for Successful Implementation of Reclaimed Water Program

- The partnering utilities need to have a shared or unified governance structure that include the following:
 - Short and long term planning, that is similar to water and sewer comprehensive planning.
 - Community outreach and education plan.
- Other governing bodies who may be impacted indirectly need to be consulted in the development of the program. i.e. Tribes, Counties, Cities, Water and Sewer Districts etc.

Partnering Utilities Need to have a Common Governance, or Shared, Robust Coordination and Planning

Examples

- **LOTT** (Lacey Olympia Tumwater and Thurston County) Clean Water Alliance is a **great example** of shared Governance
 - LOTT's **Board of Directors** is **comprised of an elected official from each of the three cities** and a County Council Member
- King County, through their Brightwater and South (Renton) Plants is considering future expansion of reclaimed water use, but needs to coordinate with impacted water utilities, as well as do robust planning that considers resource need and cost impact.
 - Reclaimed water should be “right investment at the right time”. Planning for resource need is key.
 - Lack of coordination can lead to customer affordability issues, including cost for infrastructure investments on the wastewater side and stranded costs on the water side.
 - Both serve the same customers; it's a double impact.

Key Points for Reclaimed Water Presentations

- Each of the Utilities Presenting have common theme
 - Are in growing communities.
 - Have developed working relationships with all utilities who are impacted by their reclaimed water facilities.
 - May need to mitigate for new or existing water rights at some point in the future.

Presentations

- **Kitsap PUD Video**

Bob Hunter, General Manager will explain why this plant was built.

"Right Place, Right Time, at the Right Cost".

- **Silverdale Water District**

Morgan Johnson, General Manager will now provide a presentation on the incredible direction and collaboration the Silverdale Water District and Kitsap County are making in water reuse and recharge.

- **City of Airway Heights**

Kevin Anderson, P.E. CPM, Public Works Director will brief you on the fabulous water recharge and reuse story of the City of Airway Heights

Key Take Away from the Presentation

- When more than one utility is involved a unified governance structure should be considered.
- Cost-benefit and environmental analysis indicate a positive outcome of the project.
- There is no cookie-cutter formula.
- Surface and ground water quality impacts must be considered (New and emerging contaminants).
- Reclaimed water will not work everywhere.
- As a result of the Foster Case reclaimed water will be difficult to use as a mitigation tool.

Questions?

- Kitsap PUD (video)“Port Gamble Reclamation Water Facility”
(3:40 minutes) **Kitsap PUD YouTube Video**
<https://www.youtube.com/watch?v=WOUiK77NHjM>